BRUHATH BENGALURU MAHANAGARA PALIKE,DASARAHALLI ZONE

Office of Executive Engineer

SCHEDULE -B

Name Of Work: Improvements to CC roads Asphalt roads and drains at Defence colony Havnoor Layout Munikondappa Layout in Bagalagunte & Improvements to roads and Drains at 16th A Cross 19th Cross and other cross roads at Bagalagunte main roads Improvements to CC roads Surroundings of Magnam School Bhuvaneshwari nagara at Bagalagunte ward no 14ward no 14 (2 Works)

Sl. No	Descrption of Work	Unit	Qty	Sanctioned Rate	
				In Figures (Rs.)	In Wards (Rs.)
1	Removing & Refixing stone slabs of drains and Pointing in CM (1:3)	Sqm	1000.34	116.87	
2	Earthwork excavation by manual means in ordinary soil involving an average harizintal throw upto 2 meters and an average horizontal lift upto 0.5m, excavated surface leveled and sides neately dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.	Cum.	2342.58	239.48	
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum.	256.46	5758.8	
4	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne	47.23	78985.16	
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of forrn work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons.	Sqm	5294.80	398.45	

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6	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum, with superplasticiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness). including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cill, fillet etc. including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Cum.	671.58	6488.18	
7	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.20 x 0.60 x 0.10)Data rate. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work.	Sqm	1328.40	2318.4	
8	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20	Sqm	422.85	434.07	
9	KSRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average harizintal throw upto 2 meters and an average horizontal lift upto 0.5m, excavated surface leveled and sides neately dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.	Cum.	495.70	144.69	

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10	Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum.	871.16	2101.34	
11	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications.	Sqm	5396.90	35.62	
12	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	5026.10	5.57	
13	Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	13720.60	13.36	
14	Providing and laying dense Graded bituminous macadam Using Crushed Aggregates of Specified Grading ,Premixed With VG 30 grade Bituminious binder Transporting the hot mix to work site laying with required grade level and alignment and Rooling with Smooth Wheeled ,Vibratory and Tendem rollers to achieve the Desired Compaction as per MORTH Specification Clause No-508 Complete In all Respects Complete as per Specifications using 40/60 TPH capacity H.M.P with machanical paver Gr-II (50mm to 75mm)	Cum.	165.26	7799.9	
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15	Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with wheeled , vibratory and tandeem rollers to achieve the desired density including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications	Cum.	333.25	9049.8	

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16	Add Plastic to Bituminous Concrete 8% of Bitumen	Kg	3765.60	28.35	
17	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	279.80	477.48	

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Signature of Contractor

Executive Engineer
Dasarahalli Division

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